

## **SYSTEM AND METHOD FOR FIELD DIAGNOSIS OF WIRELESS COMMUNICATIONS DEVICE SYSTEM SOFTWARE**

### **ABSTRACT OF THE INVENTION**

5           A system and method are provided for field diagnosing  
system software in a wireless communications device. The method  
comprises: executing system software; launching a run-time engine;  
receiving patch manager run time instructions (PMRTI), including  
dynamic instruction sets and new code sections, in a file system section  
10 nonvolatile memory; and, processing dynamic instruction sets to field  
diagnose the system software. Processing the dynamic instruction sets  
includes: executing the diagnosis instruction sets with the system  
software to collect data; analyzing the collected data; and, in response to  
analyzing the collected data, operating on system data and system  
15 software. The method further comprises: following the operating on the  
system software and system data, executing the system software.